

- 2 -

Commissioner of Patents and Trademarks

Serial No. 10/628,556

AMENDMENTS TO THE CLAIMS

This listing of the claims replaces all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

Claim 1. (Original) A casing for a turbofan engine, the engine including at least a fan assembly, a compressor assembly, a combustor assembly and a turbine assembly, the casing comprising:

a fan case portion;

an intermediate case portion; and

a gas generator case portion,

wherein the fan case portion, the intermediate case portion and the gas generator case portion are integrally joined together, thereby forming an integral casing.

Claim 2. (Original) The casing as claimed in claim 1 wherein the fan case portion, the intermediate case portion and the gas generator case portion are made of the same material.

Claim 3. (Original) The casing as claimed in claim 1 wherein the intermediate case portion further comprises an integral compressor shroud portion and an integral bearing mount portion.

Claim 4. (Original) The casing as claimed in claim 3 wherein the bearing mount portion is configured to provide integral damping to a shaft bearing.

- 3 -

Commissioner of Patents and Trademarks

Serial No. 10/628,556

Claim 5. (Original) The casing as claimed in claim 1 wherein the individual fan case portion, the intermediate case portion and the gas generator case portion are fabricated individually and welded together.

Claim 6. (Original) The casing as claimed in claim 1 wherein the fan case portion, the intermediate case portion and the gas generator case portion are joined together by flangeless connections.

Claim 7. (Original) A bypass turbofan engine comprising:
at least a fan, a compressor, and a gas generator disposed in flow series within the engine, and a bypass airflow defined around at least the compressor and gas generator; and
a one-piece casing substantially encasing the fan, compressor and gas generator.

Claim 8. (Original) A turbofan engine as claimed in claim 7 wherein the casing further comprises an integral compressor shroud encircling blade tips of the compressor.

Claim 9 (Original) A turbofan engine as claimed in claim 8 wherein the casing further comprises an integral bearing seat for directly mounting a compressor shaft bearing to the casing.

- 4 -

Commissioner of Patents and Trademarks

Serial No. 10/628,556

Claim 10. (Original) A turbofan engine as claimed in claim 9 wherein bearing seat is configured to provide integral damping to the compressor shaft bearing.

Claim 11. (Original) The turbofan engine as claimed in claim 7 wherein the casing at least partially defines a by-pass air flow passage within the engine.

Claim 12. (Original) A turbofan engine for an aircraft comprising:

- a rotating assembly including a propulsive fan portion, a compressor portion, and a gas generator portion, the rotating assembly having an axial length; and

- a generally tubular casing assembly enveloping the rotating assembly substantially along the axial length thereof and thereby defining a main flow path through the engine, wherein the casing assembly is an integrated single piece.

Claim 13. (Original) The turbofan engine for aircraft as claimed in claim 12 wherein the casing assembly further comprises a integral shroud section encircling a plurality of compressor blade tips of the compressor portion.

Claim 14. (Original) The turbofan engine for aircraft as claimed in claim 12 wherein the casing assembly further comprises a integral bearing seat for

- 5 -

Commissioner of Patents and Trademarks

Serial No. 10/628,556

operatively supporting a compressor shaft of the
compressor portion.

Claim 15. (Original) The turbofan engine for aircraft as
claimed in claim 12 wherein the casing defines at
least a portion of a by-pass air duct of the engine.

Claims 16-23 (Cancelled)